TEL. 731-7631

# *Fournitures Industrielles de Qualité Ltée*

# *Quality Mill Supply Ltd.*

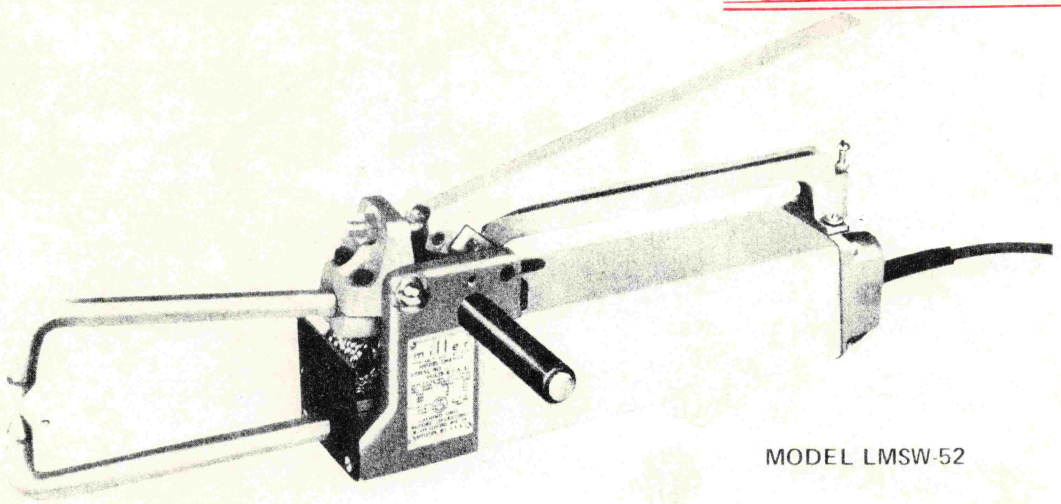
QUINCAILLERIE EN GROS ET FOURNITURES DE SOUDAGE
WHOLESALE HARDWARE & WELDING SUPPLIES

**RON HYNES**
MANAGER WELDING DIVISION
GÉRANT DIVISION DE SOUDAGE

5627 RUE FERRIER ST.
MONTRÉAL, QUÉBEC
H4P 2M4

# PORTABLE SPOT WELDERS

## MODELS: MSW-41, MSW-42 & LMSW-52



MODEL LMSW-52

## Efficient, Lightweight, Portable Spot Welders

MILLER Portable Spot Welders offer an important contribution to the sheet metal fabrication industry. These tools provide the combined advantages of strength, speed and the low cost of resistance welding. All three models are lightweight, easily carried and easy to hold in a required welding position. Savings in time and motion have earned these models an accepted position nationally throughout the sheet metal industry.

## FEATURES

Lever action draws tongs together, locks them firmly on material and provides positive, accurate fit-up until the work is welded. Lifting the lever releases pressure and opens tongs. Adjustment for various thinkness of materials can be quickly and easily made.

"Natural position" handle threads into either side of the welder, enables operator to maneuver it easily right or left handed.

## METALS

Mild, or low carbon steels are readily welded with the resistance spot welding process.

Cold rolled (CRS) and hot rolled, pickled and oiled steels may be spot welded with very little trouble.

Low alloy and medium carbon steels require longer welding time than mild steel to retard the cooling rate and permit more ductile welds.

Stainless steel also requires a slightly longer weld time than mild steel. The rapid quench associated with resistance spot welding is ideal for use with the stainless steels.

Galvanized steel also requires a longer weld time than mild steel. A slightly greater tong pressure is required to force the zinc aside at the weld area thus permitting the base steel to fuse. Zinc oxides formed from galvanized steel will require additional tip dressing.

These models are not recommended for spot welding aluminum.

### Models MSW-41 and MSW-42

Weld mild and stainless steel up to 1/8" combined thickness or two pieces of 20 gauge galvanized. Not recommended for aluminum.

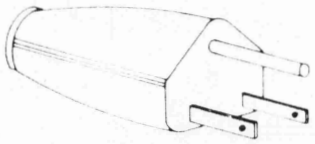
MSW-41 operates on 110 volt; MSW-42 on 220 volt 50/60 Hz single phase ac lines.

### Model LMSW-52

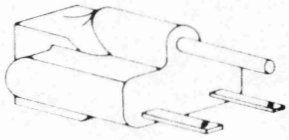
Welds mild and stainless steel up to 3/16" combined thickness or two pieces of 16 gauge galvanized. Not recommended for aluminum.

Operates on 220 volts 50/60 Hz single phase ac lines.

All models are equipped with a ten-foot, three-conductor cord with plug.



PARALLEL PLUG
Standard on MSW-41



TANDEM PLUG
Standard on MSW-42, LMSW-52

# SPECIFICATIONS

(SUBJECT TO CHANGE WITHOUT NOTICE)

| MODEL | DESCRIPTION | WORK CAPACITY COMBINED THICKNESS MILD STEEL | RWMA RATING (50% DUTY CYCLE) | DIMENSIONS | | | WEIGHT | |
|---|---|---|---|---|---|---|---|---|
| | | | | HEIGHT | WIDTH | LENGTH | NET | SHIP |
| MSW 41* | 110 V. Portable spot welder only | 1/8" | 1.5 KVA | 6" | 3-1/4" | 13" | 22 lbs. | 26 lbs. |
| MSW 42* | 220 V. Portable spot welder only | 1/8" | 1.5 KVA | 6" | 3-1/4" | 13" | 22 lbs. | 26 lbs. |
| LMSW 52 | 220 V. Portable spot welder only | 3/16" | 2.5 KVA | 6" | 3-1/4" | 16" | 30 lbs. | 33 lbs. |

* (Underwriters Laboratories) Listed. Meets (CSA) (Canadian Standards Association) approval.

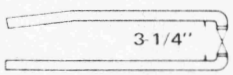
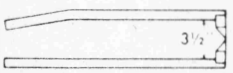
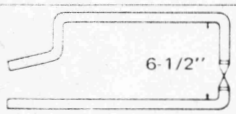
### AMPERAGE/TONG SPECIFICATIONS

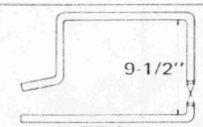
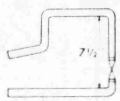
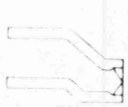
| MODEL | RATED OUTPUT AMPERES* | | | OPEN CIRCUIT VOLTAGE | RECOMMENDED FUSE SIZE (AMPERES) | TONG GAP |
|---|---|---|---|---|---|---|
| | 6" TONGS | 12" TONGS | 18" TONGS | | | |
| MSW-41 | 5500 | 4500 | 3600 | 1.6 | 30 | 3-1/4" |
| MSW-42 | 5500 | 4500 | 3600 | 1.6 | 15 | 3-1/4" |
| LMSW-52 | 6750 | 5800 | 4850 | 2.5 | 30 | 3-1/4" |

* Calibrated with Standard Type Tongs

# TONGS AND TIPS

Tongs and Tips normally available are illustrated below. They must be ordered separately. Special designs, within certain limitations, and not to exceed 18 inches in length, can be supplied.

| TONGS For use with All MSW and LMSW Spot Welders. | Figures below show usable tong lengths in inches. Please specify. | TIPS Tips are made of long wearing RWMA class 2 alloy. Contour permits easy "dressing" and adds to the lift of the tip. |
|---|---|---|
|  3-1/4" STANDARD | 6" - 12" - 18" | Standard Flat |
|  3½ MO OFFSET | 6" - 12" - 18" | MO OFFSET |
|  6-1/2" TT-6 | 12" - 18" | Standard Flat |

| | | |
|---|---|---|
|  9-1/2" TT-9 | 12" - 18" | Standard Flat |
|  7½ G-7 | 8" | Standard Flat |
| FF | 8" | FF |
|  FH | 5" | FH |

NOTE: An order for a pair of flat tips consists of one flat tip and one standard tip.

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WELDING EQUIPMENT AND SUPPLIES

# list prices

MILLER WELDING MACHINES

- SPOT WELDERS

SECTION 340

Less

| DESCRIPTION | SUPPLIER REF. | STOCK NO. | ZONE 1 | ZONE 2 | ZONE 3 | F.S.T. CONTENT |
|---|---|---|---|---|---|---|
| 1.5 + 2.5 KVA MODELS | | | | | | |
| MSW-41; 115V | 900-371 | 2661-2802-0• | $ 295.00 | $ 300.00 | $ 305.00 | $ 12.21 |
| MSW-42; 230V | 900-374 | 2661-2804-6• | 295.00 | 300.00 | 305.00 | 12.21 |
| LMSW-52; 230V ✓ | 900-377 | 2661-2806-2• | 365.00 | 370.00 | 375.00 | 15.21 |
| ABOVE WITHOUT TIMERS | | | | | | |
| MSW-41; 115V | 901-345 | 2661-2850-9• | 635.00 | 640.00 | 650.00 | 26.44 |
| MSW-42T;230V | 901-351 | 2661-2852-5• | 635.00 | 640.00 | 650.00 | 26.44 |
| LMSW-52T;230V | 901-357 | 2661-2854-1• | 705.00 | 710.00 | 715.00 | 29.18 |
| OPTIONAL EQUIPMENT | | | | | | |
| SWT-3 STEP DOWN TRANSFORMER 460/230 | 040-195 | 2661-3603-1• | 280.00 | - | - | 13.08 |
| GB-1 CYRO BAIL | 040-192 | 2661-3609-9. | 175.00 | - | - | 8.20 |
| SWP-2 SPOT WELDER PEDESTAL | 040-872 | 2661-3616-2• | 65.00 | - | - | 2.88 |
| TONG & TIP ASSEMBLIES | | | | | | |
| STANDARD 6" THROAT DEPTH | 040-197 | 2661-3006-9• | 25.00 | - | - | 1.03 |
| STANDARD 12" THROAT DEPTH | 040-198 | 2661-3012-4• | 30.00 | - | - | 1.33 |
| STANDARD 18" THROAT DEPTH | 040-199 | 2661-3018-2• | 40.00 | - | - | 1.70 |
| MO-6" OFFSET | 040-200 | 2661-3262-1• | 30.00 | - | - | 1.26 |
| MO-12" OFFSET | 040-201 | 2661-3270-2• | 35.00 | - | - | 1.55 |
| MO-18" OFFSET | 040-202 | 2661-3278-6. | 40.00 | - | - | 1.85 |
| TT-6-12 12" THROAT DEPTH | 040-203 | 2661-3286-7. | 40.00 | - | - | 1.77 |
| TT-6-18 18" THROAT DEPTH | 040-204 | 2661-3294-8. | 50.00 | - | - | 2.29 |
| TT-9-12 12" THROAT DEPTH | 040-205 | 2661-3302-5. | 40.00 | - | - | 1.77 |
| TT-9-18 18" THROAT DEPTH | 040-206 | 2661-3310-6. | 50.00 | - | - | 2.29 |
| G7-8" THROAT DEPTH | 040-207 | 2661-3318-0• | 40.00 | - | - | 1.77 |
| FF TYPE 8" THROAT DEPTH | 040-208 | 2661-3326-1• | 30.00 | - | - | 1.33 |
| FH TYPE 5" THROAT DEPTH | 040-209 | 2661-3334-2• | 25.00 | - | - | 1.18 |

• PRICE CHANGE

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
FEDERAL SALES TAX INCLUDED - F.O.B. BRANCHES
FOR CONDITIONS OF SALE SEE SECTION 300 PAGE 1